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Application/Control Number: 10/709,652

Art Unit: 2812

## **DETAILED ACTION**

This Office Action is in response to an After Final filed on 1/10/2006.

Currently, claims 11-14, 17 and 19-33 are pending.

## Allowable Subject Matter

- 1. Claims 11-14, 17 and 19-33 are allowed.
- 2. The following is an examiner's statement of reasons for allowance: the prior art, either singly or in combination fails to anticipate or render obvious, the limitations of:

...depositing a thin layer over the porous dielectric material;

wherein:

the spacer is made porous by exposing the spacers to an oxygen plasma, as required by claim 11;

...the spacer comprises organic material;

the spacer is made porous by removing the organic material, as required by claim 12;

... depositing a thin layer over the porous dielectric material;

wherein:

the pores are formed during the spacer etch, rather than during deposition of the dielectric material, as required by claim 14; and

... wherein the spacer has a reduced dielectric constant (k);

wherein the reduced dielectric constant (k) is less than 7.0, but greater than 3.85, as required by claim 17.

Art Unit: 2812

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

## Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Walter L. Lindsay, Jr. whose telephone number is (571) 272-1674. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael S. Lebentritt can be reached on (571) 272-1873. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Walter L. Lindsay, Jr. Examiner
Art Unit 2812